

Application No.: (10/700171)  
Docket No.: (BC1019USDIV)

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**Amendments to Claims**

**Claim 1 (Currently Amended)**. An isolated nucleic acid fragment encoding a plant *cis*-prenyltransferase protein selected from the group consisting of:

- (a) an isolated nucleic acid fragment encoding the amino acid sequence as set forth in SEQ ID NO:4,; and
- (b) an isolated nucleic acid molecule that hybridizes with a nucleic acid sequence of (a) ~~when washed with~~ under the following conditions 0.1X SSC, 0.1% SDS, 65°C, and washed with 0.2X SSC, 0.5% SDS ;
- ~~or (c) an isolated nucleic acid fragment that is completely complementary to (a), or (b).~~

**Claim 2 (Previously Presented)**. The isolated nucleic acid fragment of Claim 1 as set forth SEQ ID NO:3, .

**Claims 3-4 (Canceled).**

**Claim 5 (Currently Amended)**. A chimeric gene comprising the isolated nucleic acid fragments of Claim 1 operably linked to suitable regulatory sequences.

**Claim 6 (Original)**. A transformed host cell comprising a host cell and the chimeric gene of Claim 5.

**Claim 7 (Original)**. The transformed host cell of Claim 6 wherein the host cell is selected from the group consisting of plant cells and microbial cells.

**Claim 8 (Previously Presented)**. A host cell according to Claim 7 selected from the group consisting of tobacco (*Nicotiana* spp.), tomato (*Lycopersicon* spp.), potato (*Solanum* spp.), hemp (*Cannabis* spp.), sunflower (*Helianthus* spp.), sorghum (*Sorghum vulgare*), wheat (*Triticum* spp.), maize (*Zea mays*), rice (*Oryza sativa*), rye (*Secale cereale*), oats (*Avena* spp.), barley (*Hordeum vulgare*), rapeseed (*Brassica* spp.), broad bean (*Vicia faba*), french bean (*Phaseolus vulgaris*), other bean species (*Vigna* spp.), lentil (*Lens culinaris*), soybean (*Glycine max*), arabidopsis (*Arabidopsis thaliana*), guayule (*Parthenium argentatum*), cotton (*Gossypium hirsutum*), petunia (*Petunia hybrida*), flax (*Linum usitatissimum*); carrot (*Daucus carota sativa*); and *Hevea*

**Claim 9 (Currently Amended)**. The transformed host cell of Claim 7 wherein the host cell is selected from the group consisting of *Aspergillus*, *Saccharomyces*, *Pichia*, *Candida*, *Hansenula*, *Bacillus*, *Escherichia*, *Salmonella* and *Shigella*.

**Claim 10 - 15 (Canceled).**